

CLAIMS

1. A sterilizing and disinfecting apparatus for spraying a sterilizing and disinfecting chemical including alcohol into a target space, comprising:

a spray gun having an end nozzle;

a chemical container containing the chemical, attached to said spray gun;

a gas cylinder filled with a compressed carrier gas that does not react with the alcohol;

a pressure reducing valve, attached near an outlet of said gas cylinder, for decompressing the gas discharged from the outlet to a predetermined pressure; and

a gas hose directly connected to the pressure reducing valve and the spray gun,

whereby the chemical is sprayed into the target space by a function of the carrier gas injected from the end nozzle.

2. The sterilizing and disinfecting apparatus according to Claim 1, wherein the gas cylinder, pressure reducing valve and gas hose are mounted on a common truck shared by the spray gun and chemical container.

3. The sterilizing and disinfecting apparatus according to Claim 2, wherein the chemical container is detachably attached to

the spray gun.

4. The sterilizing and disinfecting apparatus according to Claim 1, wherein the chemical container is detachably attached to the spray gun.